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(30) Priority:	(71) Applicant: **NOF CORP** **AKASHI MITSURU**
(43) Date of application publication: **27.03.01**	(72) Inventor: **HAYASHI AKIO** **AKASHI MITSURU**
(84) Designated contracting states:	(74) Representative:

(54) COSMETIC CONTAINING SILICONE COPOLYMER

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain the subject cosmetic excellent in gluey feeling, smoothness and gloss or the like for hair, sun proof, adhesion for manicure, glossiness, water repellency or the like by including a specified silicone copolymer.

SOLUTION: This cosmetic is obtained by including a silicone copolymer of formula I [R1 and R3 are each a divalent aromatic organic residue; R2 is a 1-6C alkylene; R4 and R5 are each a 1-7C hydrocarbon group, substituted hydrocarbon group or (substituted) aromatic group; m is 10-200; n is 0.1-50 based on the average recurring unit number; j is 2-100 based on the recurring unit number] (e.g. a copolymer of formula I). The weight average molecular

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weight of the silicone copolymer is preferably 5,000-5,000,000 and the preferable compounding ratios are 1-50 wt.% for make-up cosmetics, 1-20 wt.% for lipstick cosmetics, 0.1-50 wt.% for hair cosmetics and 0.05-50 wt.% for manicure cosmetics.

$$-\left[\begin{array}{c} \overset{H}{\underset{H^5}{N}}-R^5-(\overset{R^4}{\underset{R^5}{Si}}-O)_n-\overset{R^4}{\underset{R^5}{Si}}-(R^3)-\overset{H}{N}-\overset{O}{C}-(R^3) \\ \overset{O}{C}-[N-(R^3)-\overset{H}{N}-\overset{O}{C}-(R^1)-\overset{O}{C}]_n- \end{array} \right]_J^-$$

I

$$-N-(CH_2)_3-(Si-O)_n-Si-(CH_2)_3-N-C-\bigcirc-C-(N-\bigcirc-O-\bigcirc-N-C-\bigcirc-C-)_n-$$

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